# **Updating and Implementing Geospatial Image Digitization and Workflow Standards**

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#### Introduction

This poster identifies key strategic areas to consider in	W
developing a standard digitization protocol in order to	fo
capture the unique aspects of geospatial images. It also	ha
enumerates the process of implementing these solutions	do
into an institution's regular digitization workflow. This	CC
study draws insights from experiences at the	pł
National Agricultural Library.	di

# Strategic areas to consider in developing and implementing a data management plan for aerial photographs:



Ingest

<b>Collection Development</b> •Used overall NAL policy as a basis and added components specifically for aerial images	<b>Sta</b> •P: •G
Requirements •Staff, budget, hardware / software, training	qu •C cre
<b>Submission Information Package</b> •Item information requirements, optional item information, formats accepted	Na •Y
<ul> <li>Workflow / Timelines</li> <li>Flow chart established for overall process; more detailed flow charts created for each individual process section</li> <li>Time to complete each step estimated</li> </ul>	M •IS da •G us

## Conclusions

With a clear policy and workflow protocol outlined at every step of the process using current tools and technology, future accession and digitization of visual materials will be more efficient, interoperability among aerial image collections will be improved, and patrons will have more convenient access to the materials they need in the formats they require.

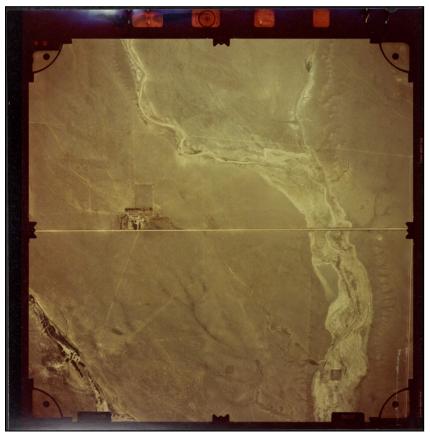
### Challenge

While general standards for image digitization exist, file ormats, metadata standards, and quality control tools nave changed. In addition, current universal guidelines lo not exist for institutions with aerial photography collections. As a result, the unique attributes of aerial hotographic materials are seldom considered during the ligitization process.

• Consulted prominent aerial image collections and repositories for common standards; compiled aerial image

strategic plan based on findings

• Digitized a test run of aerial images from affiliated Long Term Agro-ecosystem Research sites for an opportunity to troubleshoot and modify workflow and standards to suit the newly formed collection.



Digitization

### tandards

Preservation and access copy specifications Golden Thread software implemented for digitization uality control

Collection-specific digitization job submission forms reated to maintain consistency between acquisitions

### aming Convention

Year\_Area\_Roll\_Frame.ext format used for initial scans

#### **Ietadata**

SO 19115:2003 North American Profile for geospatial ata; 19115-2 for gridded datasets

Geospatial, administrative, and image metadata added sing ArcGIS

## Access

•Web interface for public access – individual images and mosaic displays

•Dissemination Information Package established

# **Preservation / Storage**

## **Quality Control**

•Software recommended for validating transfers, verifying that copies match original, and verifying integrity of

measures

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#### Methods



**Preservation/Access** 

•Temporary storage and preservation / dark archive storage established

- migrated data among other functions
- •Schedule when and how often to perform quality control
- •Reformatting guidelines established

### **Further Information**

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